

## ABSTRACT

In a receiving side apparatus 150, reception quality of receive data is measured by a reception quality measurement section 157, receive data errors are detected by an error detection section 156, and when an error is detected a retransmission request signal and reception quality signal are transmitted multiplexed with transmit data by a transmit frame creation section 158. In a transmitting side apparatus 100, when a retransmission request signal is received a capacity necessary for demodulating data in a receiving side apparatus 150 is detected from a reception quality signal by a scheduling section 110, and data is retransmitted at that capacity. By this means it is possible to reduce the number of data retransmissions during transmission and reception, and to improve transmission efficiency.